

El Paso Community College
Syllabus
Part II
Official Course Description

SUBJECT AREA	Renewable Energy								
COURSE RUBRIC AND NUMBER	ELMT 1302								
COURSE TITLE	Solar Photovoltaic Systems								
CONTACT HOURS	<table style="margin: auto; border: none;"> <tr> <td style="padding: 0 10px;">3</td> <td style="padding: 0 10px;">2</td> <td style="padding: 0 10px;">:</td> <td style="padding: 0 10px;">3</td> </tr> <tr> <td style="padding: 0 10px; font-size: small;">Credits</td> <td style="padding: 0 10px; font-size: small;">Lec</td> <td></td> <td style="padding: 0 10px; font-size: small;">Lab</td> </tr> </table>	3	2	:	3	Credits	Lec		Lab
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Credits	Lec		Lab						

I. Catalog Description

Provides design and installation of solar photovoltaic systems and their applications.
(2:3). Lab fee.

II. Course Objectives

Upon satisfactory completion of this course, the student will be able to:

- A. Verify system design.
- B. Manage solar projects.
- C. Install electrical components.
- D. Install mechanical components.
- E. Complete system installation/ commissioning.
- F. Perform maintenance and troubleshooting activities.
- G. Prepare for Accreditation Exams.

III. THECB Learning Outcomes (WECM)

- 1. Perform field site evaluations.
- 2. Design solar photovoltaic array to meet customer requirements.
- 3. Investigate certification requirements.
- 4. Install and troubleshoot systems.
- 5. Employ techniques for successful customer interaction.

IV. Evaluation

The students must demonstrate the knowledge and skills stated in the objectives in order to complete the course. Letter grades will be arranged as follows:

Grade Scale:

90-100	A
80-89	B
70-79	C
60-69	D
0-59	F

Students should be able to compute their grade average anytime during the course. Missed assignments and make-up tests will be given at the discretion of the instructor.

IV. Disability Statement (Americans with Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-8815); and MDP Rm A-125 (831-7024).

V. 6 Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.